GREEN INFORMATION TECHNOLOGY IN LIBRARY DIGITISATION

Synopsis Submitted To Bharathiyar University In Partial Fulfilment Of The Requirements For The Degree Of Doctor Of Philosophy In Library & Information Science

BY

C. JAYALAKSHMI

(Reg.No.: C2LIB15NOV1/2015)

UNDER THE GUIDANCE OF

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Synopsis

INTRODUCTION

Going Green is indeed a process and just the beginning of the efforts required for true sustainability. It may also the shortest route for economic savings and the overall health of an organisation. Libraries are very useful to the Society and also do their Best services for the Society. Libraries make their own way of Going Green by using the methods of Information Technology in their Service. Library Services depends upon the virtualisation method which is accepted with cloud computing strategy and it brings out Library as DIGITAL Library. It is nothing but Paperless Library which is known as Green Library. Green Library adopt the concepts of Recycle and Reuse of the materials which will give the potential way for environmental sustainability. Green computing strategy should also be the component of a company overall. Green efforts which may be extended its building, water managing and waste stream to minimize it environmental print. Virtualisation is the potential way and its offers to give the great benefit to an organisation without regard to its impact on the environment and to decrease energy use and reduction toxic waste also. Libraries should encourage the use of recycled paper for Information Technology printers where the quality of price make Sense. Printed books re defined as dead forests. Library users nowadays having the knowledge of ongoing Green which can be avoided the printed copies and they are willing to go for online usages by seeing the documentations such as E-mail., MS word and power point presentation (Sona Kannan 2013, 131F) within the copyright law.

Review of Literature

C.JAYALAKSHMI & R. SARANGAPANI (2017), state the following details about the implementation of Green Information Technology in Library digitisation. Some Organisations (Library Information Centre) developed specialized benchmarks, while no others energy metrics to existing Bench marks. The data centres consume a lot of energy, which costs operators like Google and Amazon millions of dollars to run each year.

JONES (2016), In his paper titled "More than just a green building developing green strategies at that chines", states that by installing the motion sensor in the system, the energy used can be reduced to several percentage.

PANGALI (2015), describes that the sustainability can be into the capacity of continuous the needs of the current without changing the ability of the future generations to meet their own needs. It has economic social and environment aspect. The book borrowed from visitor increase positively from year to year in Taipei (2007). The environment will be the typical thinking of the public, Energy saving, efficiency, resources, usages, increase the reduction of the energy loads and the sustainable of Global development.

OBJECTIVES

The following are the objectives of this paper:

- To contribute efforts to make Green Earth by promoting Green Library Movement.
- To proper use of Technology in Library Services (By doing Digitisation in Library Services) and to reduce Library Expanses.
- To make Library to use Modern Technology and give Green Service to Patrons.
- To save energy and to make Library Building Compounds Greenery,
- To create awareness on Recycling and Reusing of Products.
- To promote the awareness of Green Information Technology in Library digitisation.
- To explore the role of Librarian in Developing Green Libraries.
- To find out the methods of using Green Information Technology in Library Digitisation method
- To study the characteristics of Green Libraries and to develop that are suitable In Indian situation.
- To find out the various changes and challenges on the Development of Green Libraries.

HYPOTHESIS

- The need of Digitization in Library -Paperless Library management and concept of efficient use leads to Green with Technology.
- It is accepted that in a Library Services Information Technology as a BOON for easy increased to remote access of resources.
- Green Information Technology act as a driving force to reduce the amount of paper, large members are reading and storage of books in library services.
- n the proposed workTechnology is studied to generate and collect,store,retrieve large on data based on usage and library management in the sustainable development of the environment.
- It is found that the Green Library knowledge management and efficient use of technology lead to save time and energy.
- The adoptive nature is structured and attached to the digital objective of library services are resulted usability and serviceability interns of content and product.
- Copyright and other restrictions on the use of the materials are described in the rights as major additional information.
- New job was defined in the thesis in the Library through Digitization concept. Further, Digitized Image, Text and audio content are structured for online use.

- Furthermore comprehensive, cohesive, digital techniques are collections for the research proposed.

1.17 SCOPE OF LIMITATION OF THE STUDY

There are number of Green Library initiatives and open repositories that are reported in the world, and in India, but the scope of the study is confined to the select number of Green Library initiatives and projects in India, which are visible to the outside world. The major limitations of the study are that it has included those initiatives and not projects which are yet to be documented and published as well as in the early experimental stage how Green Information Technology works with the Library Digitisation in process.

Data Collections

The interview questions are grouped to that Library staffs, Members of the Libraries and students.

Statistical Techniques

HAFNER Explains about Descriptive statistical Techniques for Librarians, 1998) that "Libraries need statistics ", Love them or not". Statistics persuade Libraries decision. Statistic spend little space on presenting data- The Link between Data and action process of using statistical data in Academic Library Management clearly explain in this article.

Chapterization

The Thesis has been presented in Six chapters.

Chapter 1 : Introduction

Introduction which presents the background, give the definition of Green Information Technology in Library Digitisation and an overall view on the Green Libraries.

Chapter 2 : Review Of Related Literature:

Introduction

Studies Based on Green Information Technology in Library Digitisation

Studies Based on Green Libraries.

Conclusion

CHAPTER 3 :

GREEN LIBRARIES PROJECTS & DEVELOPMENTS

Introduction

Basic Concepts of Green Libraries

Green Library Project Management

Green Library Architecture & Building

Green Work Flow

Chapter 4 : Research Design And Methodology

Introduction

Objectives

Hypothesis

Methodology adopted Sample use of the study

Tools used for Green Information Technology in Library Digitisation

Design of the questionnaire

CHAPTER 5 : Analysis And Interpretation

Analysis And Interpretation Of Data Collections

Green Information Technology in Library Services Infrastructure

Types of Green Initiatives

Human Resources

Challenges in Green Libraries

Chapter 6 : Summary Of Findings And Suggestions

Introduction

Major Findings

Profile of Library Use

Purpose of Visit to the Library

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